

1/61

## Figure 1

abcA1

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**ctttaagc**

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## Figure 2

abcA2

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**t**

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## Figure 3

abcA3

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## Figure 4

abcA4

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**gaaaccc**

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## Figure 5

abcA5

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## Figure 6

abcA6

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## Figure 7

abcA7

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## Figure 8

abcA8

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## Figure 9

abcA9

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## Figure 10

abcA10

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## Figure 11

abcA12

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## Figure 12

abcB1

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## Figure 13

abcB2

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**gagaa**

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## Figure 14

abcB3

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## Figure 15

abcB4

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**g**

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## Figure 16

abcB6

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c



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## Figure 17

abcB7

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## Figure 18

abcB8

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**gctcacaataaa**

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## Figure 19

abcB9

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gca

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## Figure 20

abcB10

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tatttatggttatagttttatttatagtctcaaaattcctaaagcaatgc  
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tgcctcaagaaaaagtgcctttttctccatggatgaggctagaccctaaga  
agtaattaagtcaatgtaaatcaaatggaagttttcccatgaactaagaa  
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## Figure 21

abcB1.1

ttg  
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gatgtgtatacagaaaatgaaagaaactaggggtcca tatgagggaacc  
caatgtcaagtggcagctcagccaccactcagtgt tctctgtgcaggag  
ccagtcctgattaatatgtgggaattagtgagacatcaggagtaagtga  
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ggtgtacacagaggcgggtctataacaggcaatcaa caaacgtttcttga  
gctagaccaaggtcagatttgaaaagaacagaaggactgaagaccagctg  
tgtttcttaactaaatttgtctttcaagtgaaccagcttccttcattctc  
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## Figure 22

abcC1

**gctcccatcacctctaacatcctt**gtctgggtctaccaggaacgcttcat  
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cccacccaccccgactccaggctttcccttttttcttttgttcaacattg  
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taaataattaaggagatggcctcatgggaatttgaccttgactagaaatag  
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aaaatgtgttaggggcctggcccaaagcagtggttggttgcttacagtgtt  
gattgattttgttcttttttcttaccacctcttttctttccctctcatgg  
**tacctgctca**

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## Figure 23

abcC2

**gtagcatggagaagattggtgtggt**gggcaggacaggagctggaaagtca  
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agaagctgaccatcatccccaggaccccatcctgttctctggaagcctg  
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gcccacaggctgcacaccatcatggacagtgacaaggtaatggctcctaga  
caacgggaagattatagagtgcggcagccctgaagaactgctacaaatcc  
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ataatttcttattttaattttattttttataaaaatacagaatacatacaaa  
agtgtgtataaaatgtacgtttttaaaaaaggataagt**gaacacccatgaa**  
**cctactaccc**

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## Figure 24

abcC3

caagagccgcatcct  
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caaaggagtagtagctgaatttgattctccagccaacctcattgcagcta  
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agctagtttgagccagtttagactagtcccccggtctcccgattcccaact  
gagtgttattttgcacactgcactgttttcaaataacgattttatgaaatg  
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cagggccacccctaggaactcagtcctgtactctggggtgctgcctgaatc  
cattaaa



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## Figure 25

abcC4

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ggtaaaatttggattgataagatcttgacaactgaaattggacttcacga  
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tggaagccctcgacctaactattttcgagacagcactgtgaatccaac  
caaaatgtcaagtcggtccgaaggcatt

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## Figure 26

abcC5

aaggaag  
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cagctcttgctaatacagtgtctcacactggcgtagaagtttttgtactgt  
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## Figure 27

abcc6

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**ggtggcag**

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## Figure 28

abcC7

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tgaagtccaagcatttagatgtataggttgatgggtggtatgttttcaggc  
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ctgaagaagcaccaatcatgaattagttttatatgcttctgttttataat  
tttgtgaagcaaaattttttctctaggaatatatttttaataatgttt  
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gggctgatacgagttggtgcccacagctgtatgattcccagccagacacag  
cctcttagatgcagttctgaagaagatggtagccaccagtctgactgtttc  
catcaagggtac**actgccttctcaactccaaactg**

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## Figure 29

abcC8

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tggtcaccatcgcgcatcgagtgcacaccatcctgagtgcagacctggtg  
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## Figure 30

abcC9

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ggatagacatttccaaattaccactgcacacactacgttctagactttca  
atcattctgcaggatccaatactattcagtggttccattagatttaattt  
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ttgctcagctgaagaatatggtcaaattctctacctggaggtctagatgcg  
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ctcttctattatggatgcaggccttggttttagtcttttctgagggatatt  
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## Figure 31

abcC10b

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ggtttttctggcataggagcccacttgcattttca

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## Figure 32

abcC11

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**tcaagaccttagaaccaccagaacca**



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## Figure 33

abcC12a

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ctgtgagatgaataggaggaggtcttcaggaggaggggctgtcctctccgc  
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cagatttgtagcgtgaaagactgaatacagtggttggccaaaaattttt  
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gtcgttaaaacgcggtaggaaa**ttaccctgaaatgtcgccttgcaa**

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### Figure 34

abcC13

[illegible]

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## Figure 35

abcD1

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agagccccaagatcccacgggagaggggagagggaagcacagcactgcc  
tgccaagcgagaatgcaggccccgccccctcggccccctcaccacctttt  
ctacagcctaattttattggattccctattcgtagccatctccgtggccaa  
tgtgactaccgtgccagcagcgggggcgggccagcctctgagtcctgtgg  
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## Figure 36

abcD2

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acaaattaatTTTtagtacaatcttaaatatTTTtaataaatcctttcatt  
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TTTTgt

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## Figure 37

abcD3

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tgcagtcttgcttacaaggaggggttaccatgtatcacacctaattcttcc  
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tggctacogaag

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## Figure 38

abcD4

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agggtggagttaactgtgccccaaagtcctcactcagaccagtgccctccag  
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tot

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## Figure 39

abcE1

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acaaagtatcccctggtaccacatatattcatttgtgagtttggatatag  
agcacattatctaaaccatttttgtagttccaaaaacccatctaaatttct  
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aataaatgactggggcaagcaaaattgaggaggaaattagaaactgtttg  
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ataatggctagaaagtatggtttaactggaccctattatgccttttaaaa  
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## Figure 40

abcF1

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tacagcttcaggcccagctgccccccagtccttgggtgggtgctgttcttt  
tctggtggatttaatgctgactcactggtacaaacagctggtgaagctca  
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## Figure 41

abcF2

tgctaccca  
gagatcaaggagaaggaagaaatgaggaagatcattgggcgatacgggtct  
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cagacaatcaccaagtggcctggagacatcctggcttacaaggagcacct  
caagtccaagctggtggatgaggagccccagctcaccaagaggaccaca  
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ggctgtgcgtctgctgctgcctggggagctggccaagcacgctgtgtctg  
agggcaccaaggctgtcaccaagtaaccagctccaagt

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## Figure 42

abcF3

**cctaaacg**tcagtgctt**gtggaact**gctggcacgcaagtttcctnnggggc  
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acagttccgcgcgaaggctttcctctagggccaccaggctgaggactcg  
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ccantcccaggcnttggacttccccccaacttggggacagccttattccc  
aaatgtctctatccttttgactggagcatcttctgcacaaccttgggagc  
ccatccaagggttggtaggactggtctcccggggtgggggnttggggg  
gtacctctggggttatagattcccccaactgccccagctctgactg**gaccc**  
**caagtggctgctatgtaaa**

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## Figure 43

abcG1

cgctctagaatcgaggaggcaagcct  
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caagcagcctctcagctgatggctgcacagtcagatgtctggtggcagag  
agtccgagcatggagcgattccattttatgactgttggtttttcacatttt  
catctttctaaggtgtgtctctttttccaatgagaagtcatttttgcaagc  
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ttgctgaagaatgattcagggtaaatcacatactttgttttagagaggcga  
ggggtttaacccgagtcaccagctgg

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**Figure 44**

abcG2

**cagtaacttcagcattccacgatatggattttacggctttgcag**  
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ctcacataaaaaagaagcacttttgattgaagtattcaatcaagtTTTTT  
gttgttttctgttcccttgccatcacactgttgacagcagcaattgttt  
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aaccaagacatcatgtatcgcatattagttaatctcctcagacagtaac  
catggggaagaaatctggtctaattttattaatctaaaaaggagaattga  
attctggaaactcctgacaagttattactgtctctggcatttgtttcctc  
atcttttaa**atgaataggttaggttagtagccc**

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## Figure 45

abcG4

acaggcacatacatgagaacaggccatctca  
gccctacacacttgccatccccctacagcacagaggaagagtgatgggtggc  
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gctgctcattcaaacttctgtccatgtccctccactgttcctatcagcag  
gtggccctggggcatcagaacagcctgcctgggcaccagggtggcagaca  
cactcagagcatgtctggctttcctgggtgggtccagggtcattctgcttc  
tgatttccctccccaggggtcattttcccccctttttcctgtacacatc  
cctg

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## Figure 46

abcG5

gcccagggtgcaacatctagattc  
acaatgaactttctgattttgtattcattttattccagctcttgatcct  
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agccatggctgggaaaatggaagtgaagctgccgactgtgcatgactgct  
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tgttctaggcacagaaaaaataaggtcagcttaaaaaatatgtttacattg  
gataaaggattaggcaaaaaataaaatgtttcaaggattcctgaccataag  
tgacagagaaagagagttgtgggttttagatgaagcaaggttatcatgcag  
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tgtccacacgaggg

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**Figure 47**

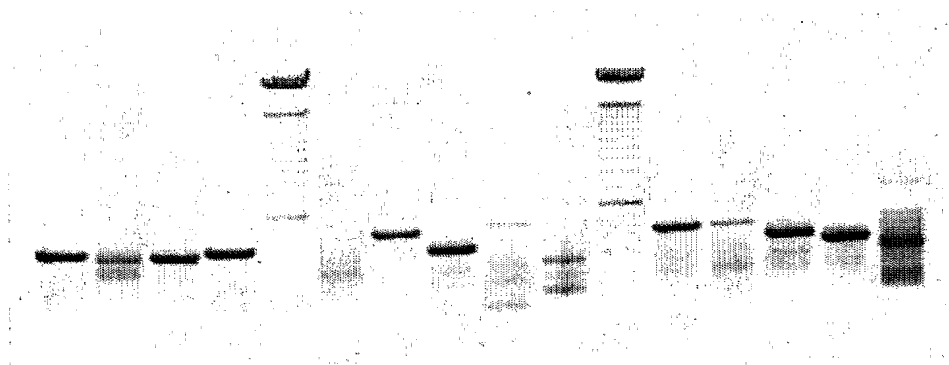
abcG8

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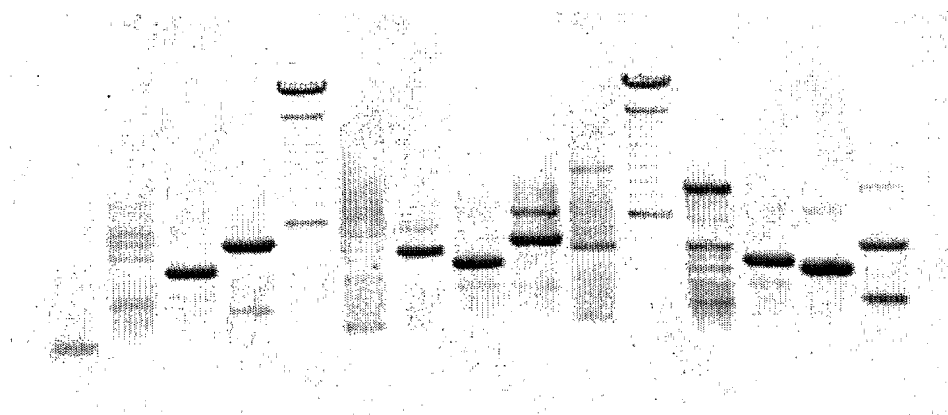
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**Figure 48**

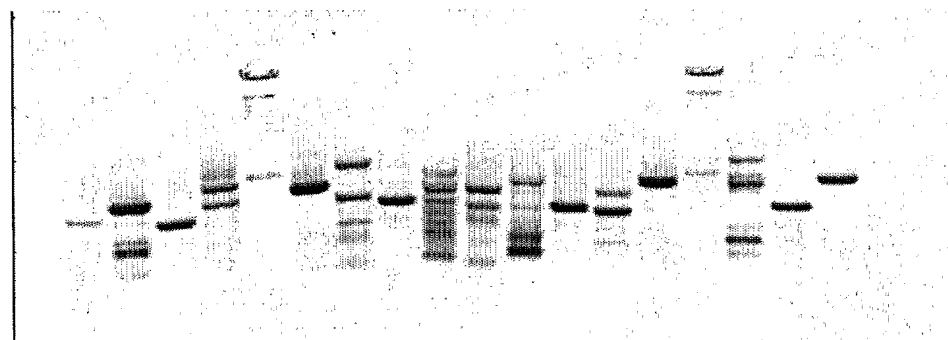
ABC-A



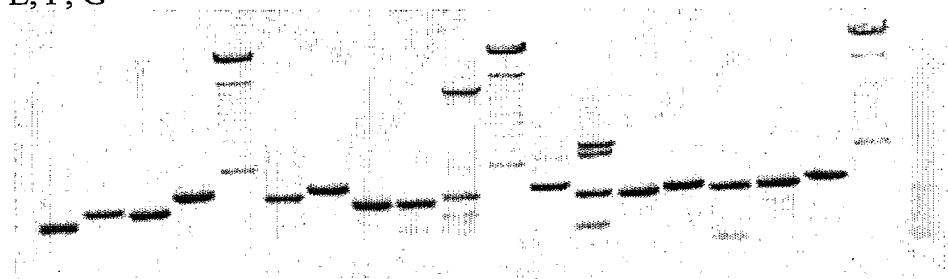
ABC-B



ABC-C



ABC-D, E, F, G

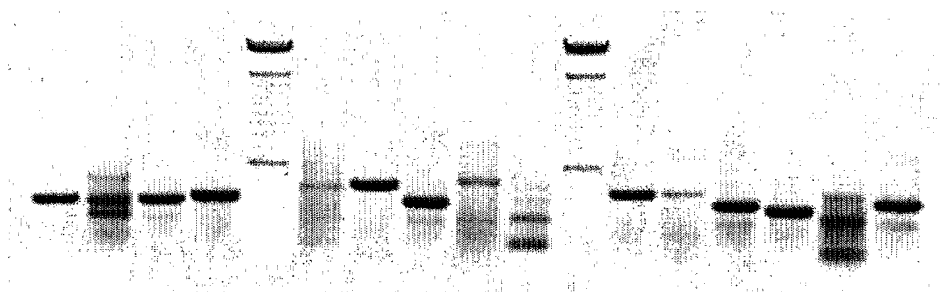




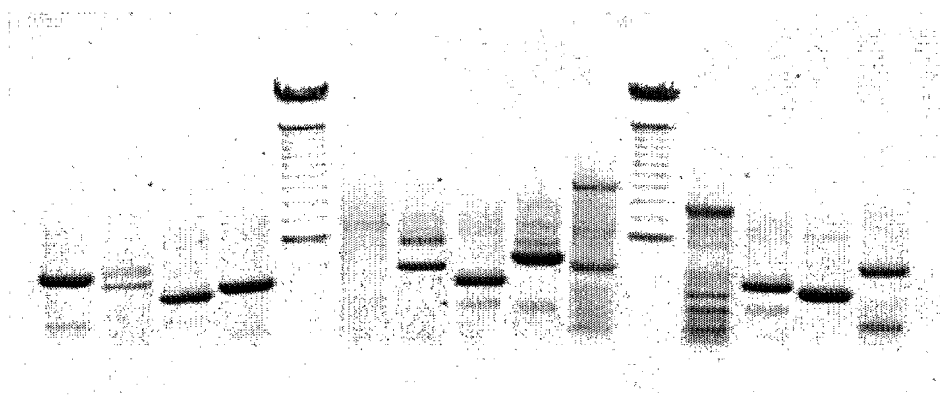
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Figure 49

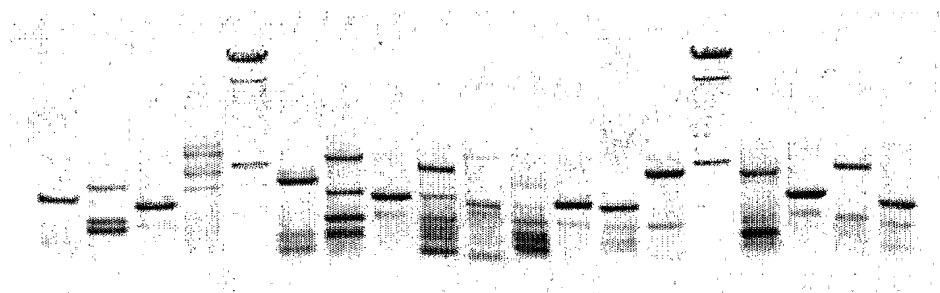
ABC-A



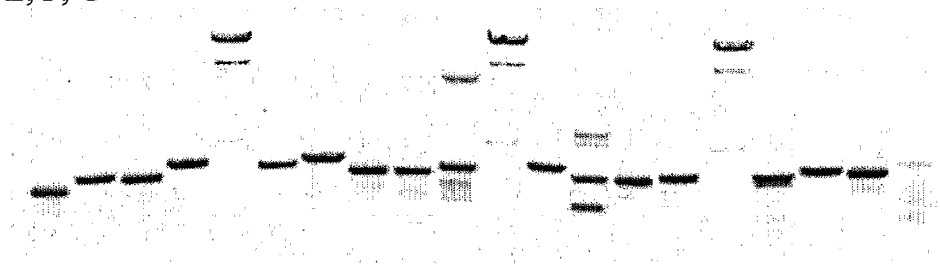
ABC-B



ABC-C



ABC-D, E, F, G



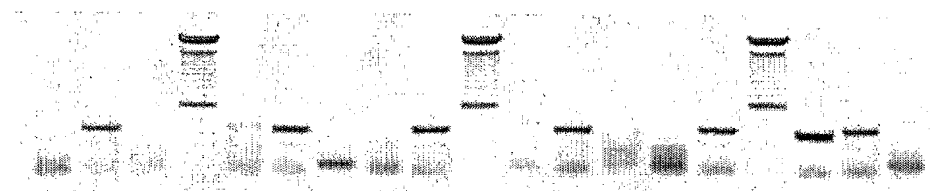
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**Figure 50**

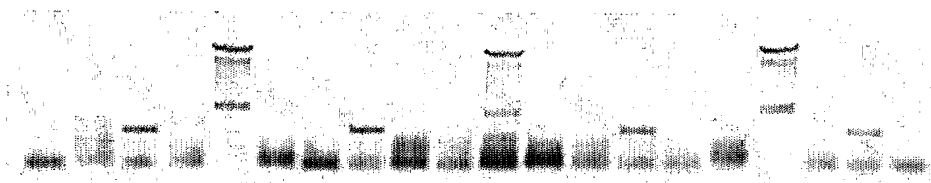
ABC-A



ABC-B



ABC-C



ABC-D, E, F, G

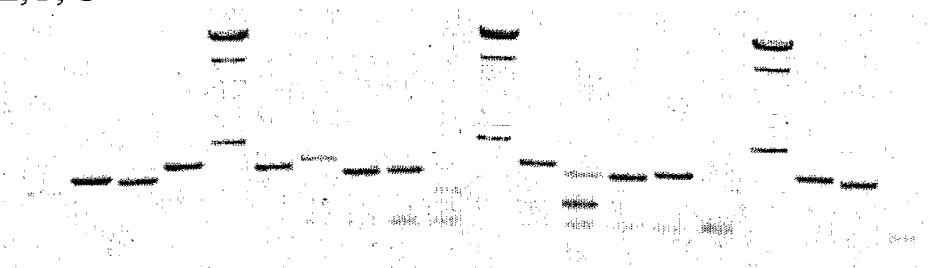
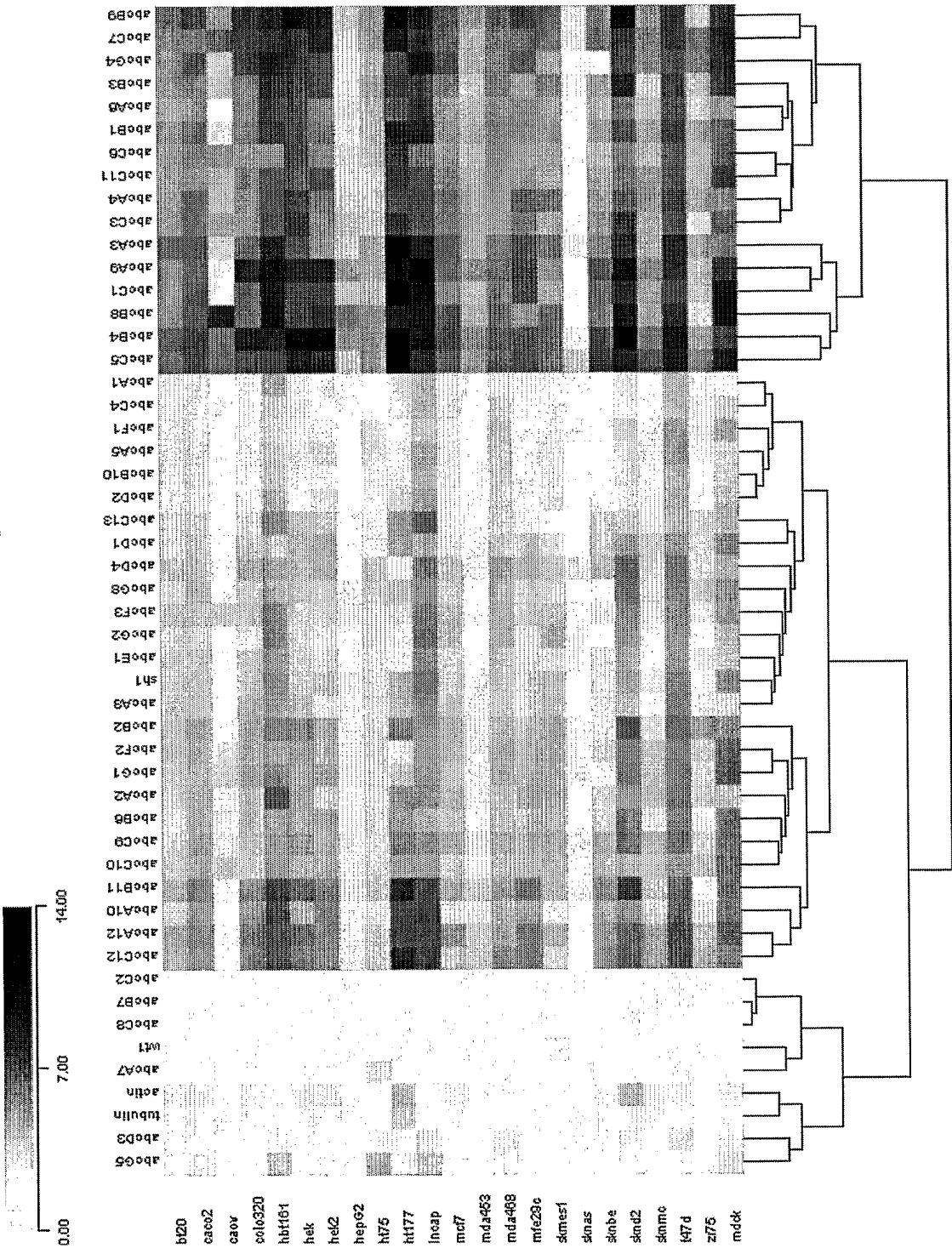


Figure 51



**Figure 52**

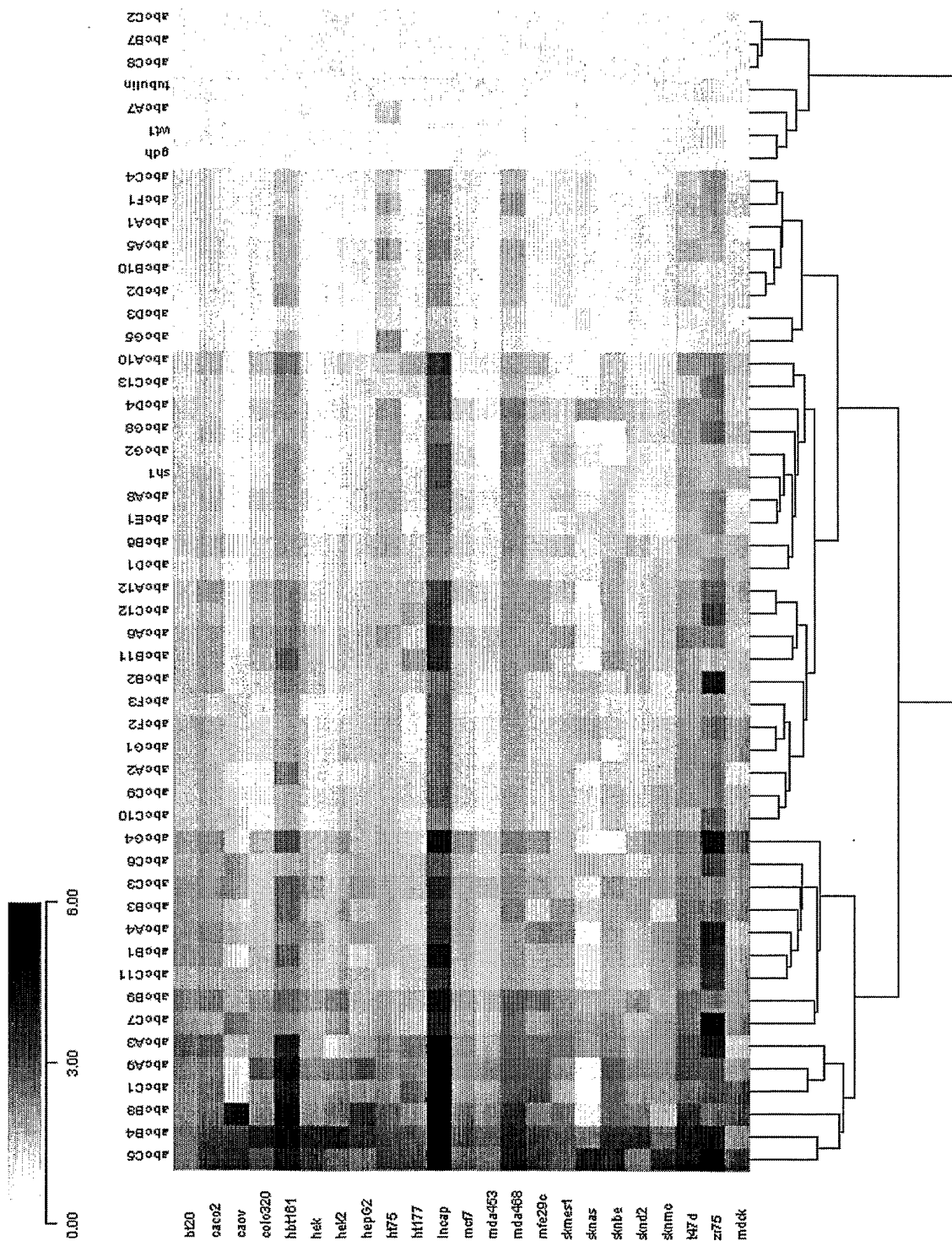
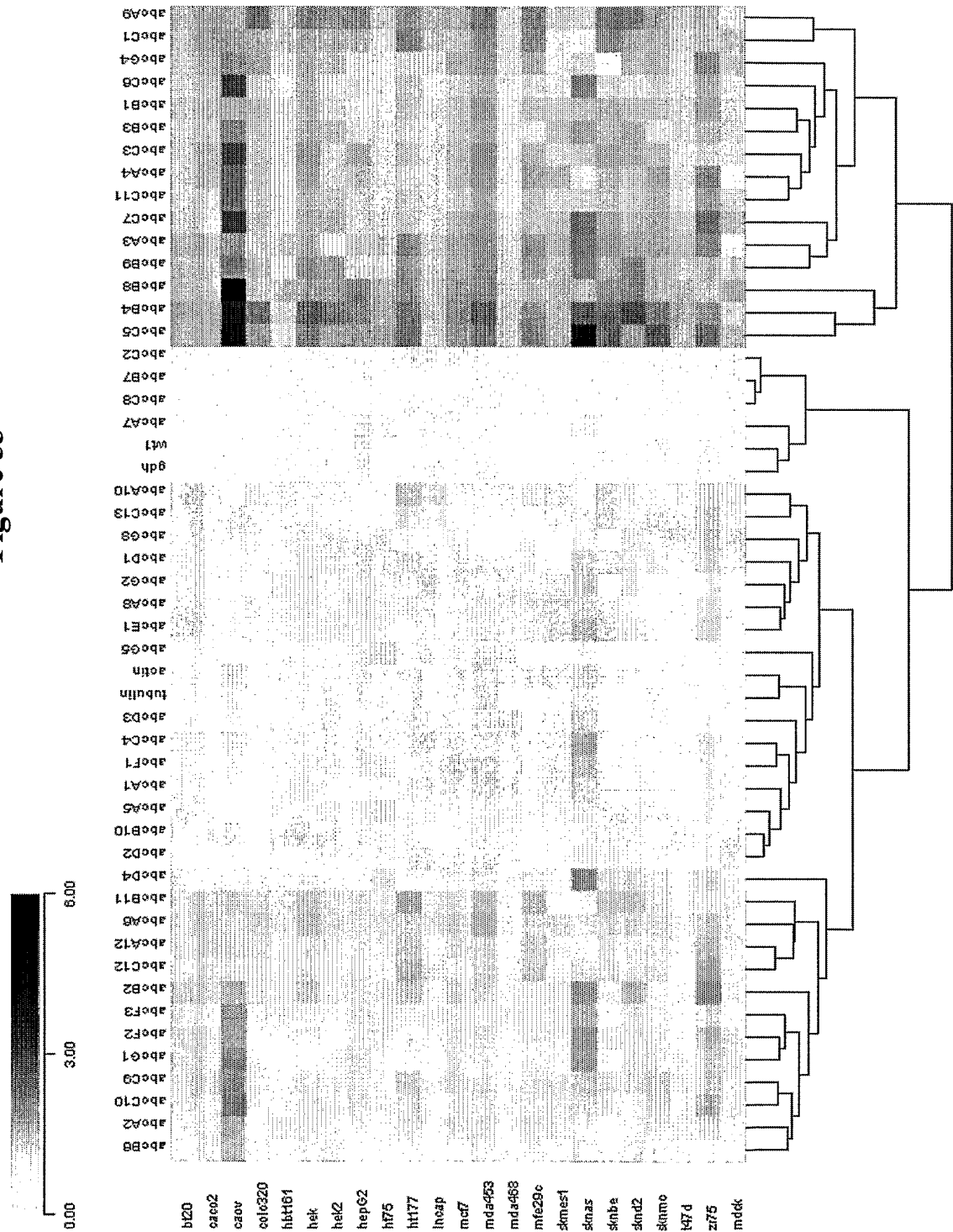
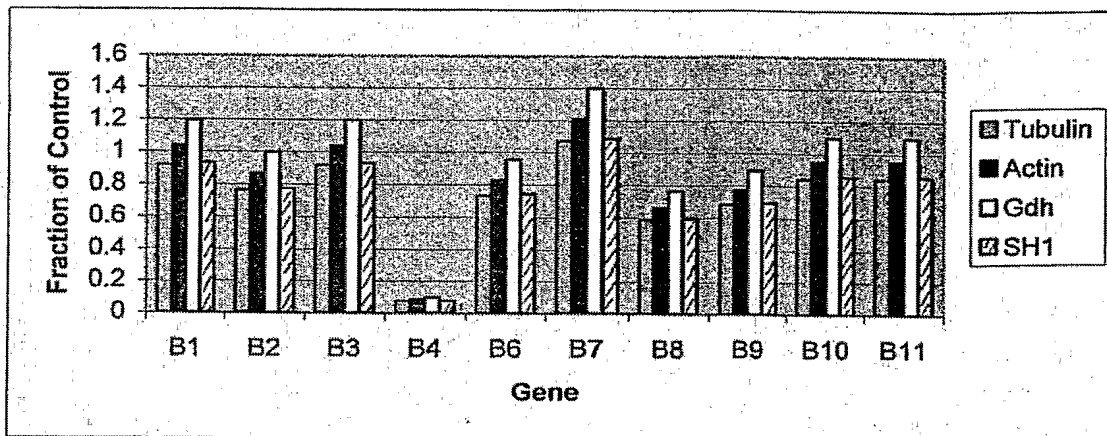


Figure 53



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Figure 54



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Figure 55

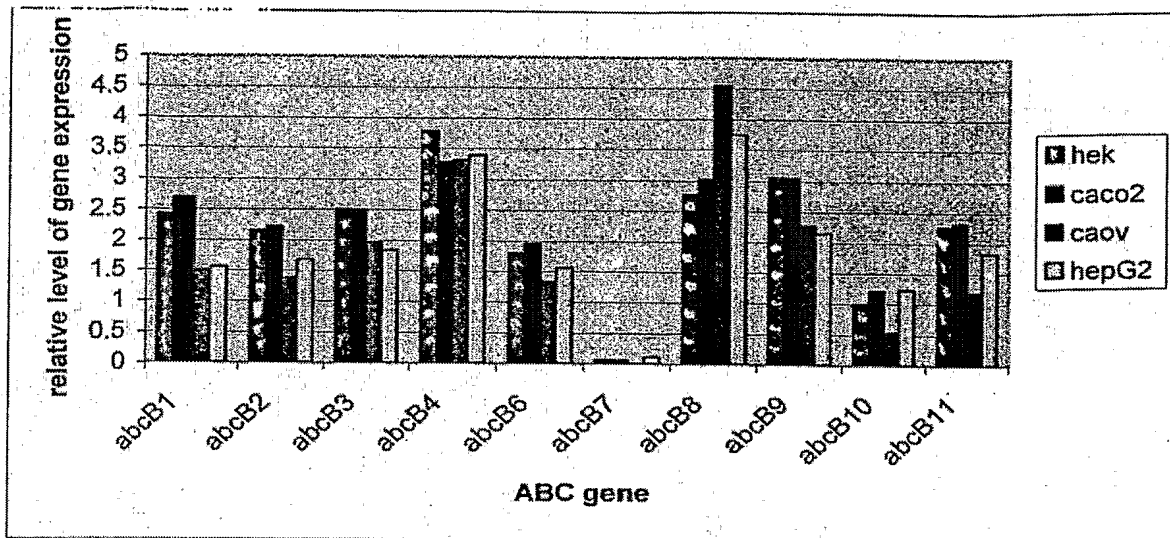
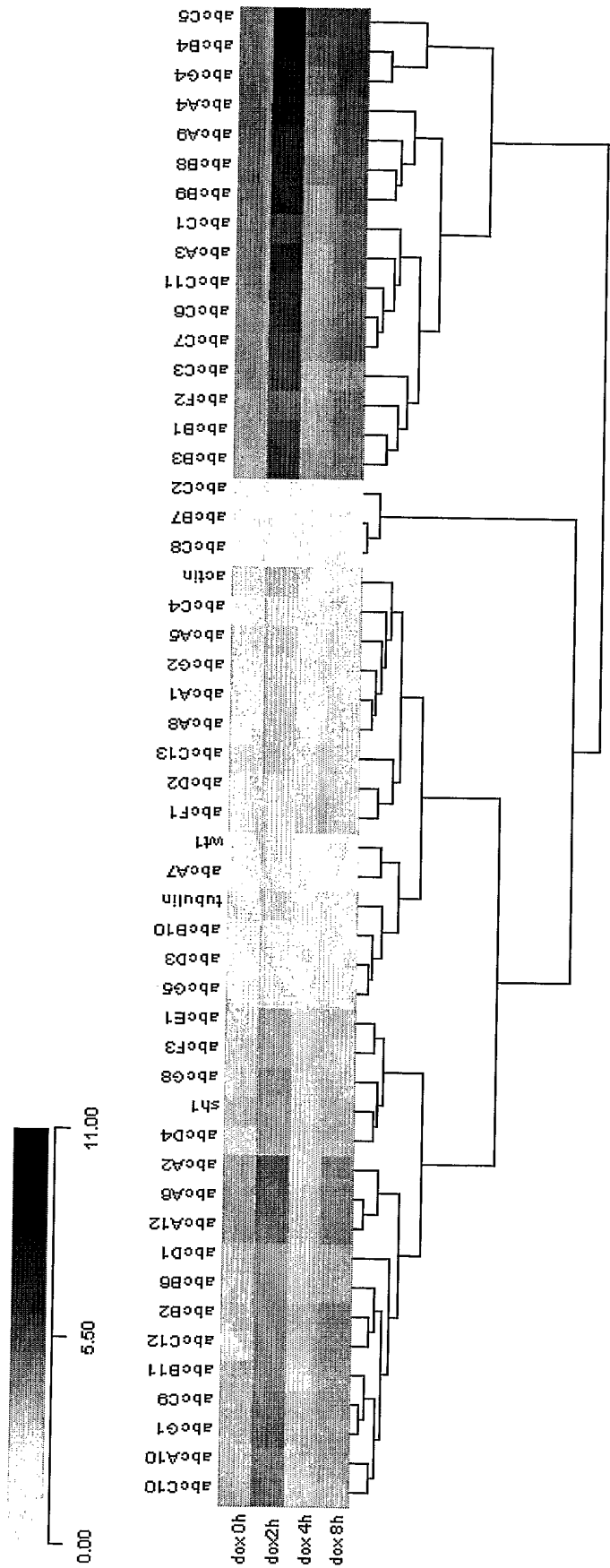


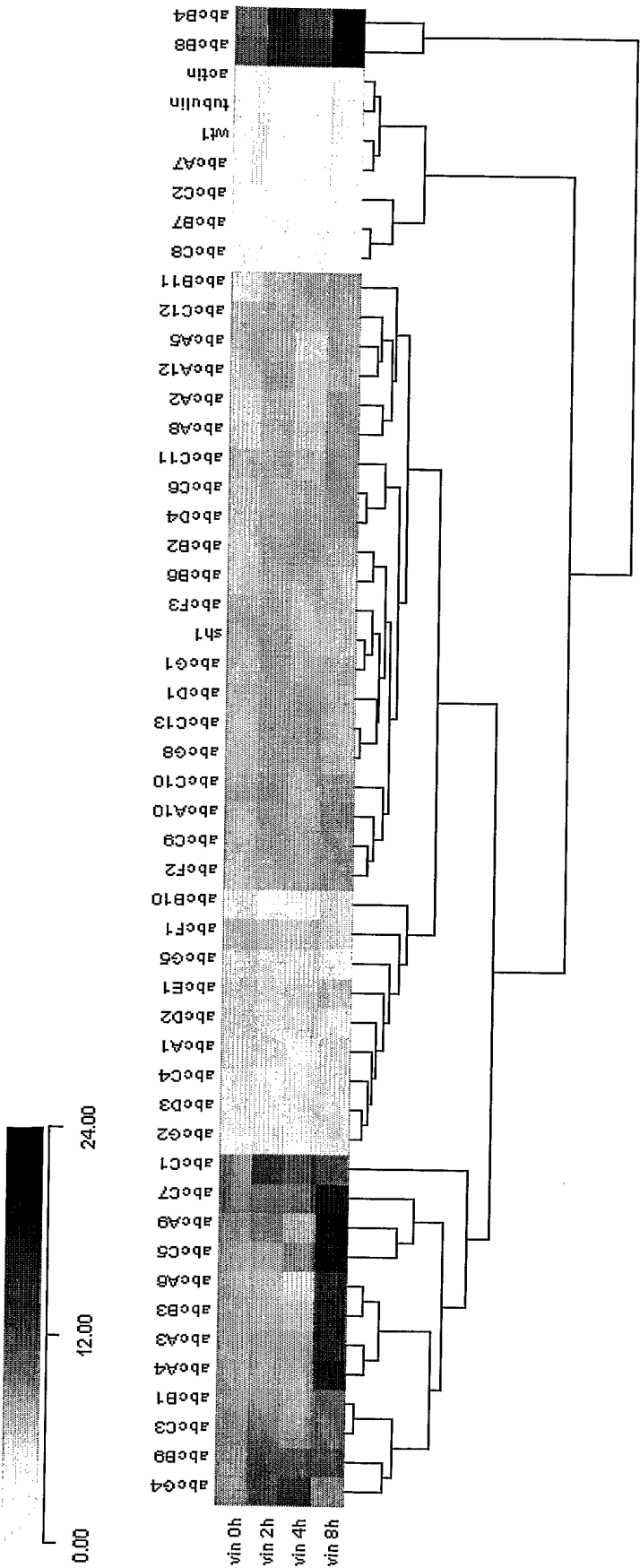
Figure 56





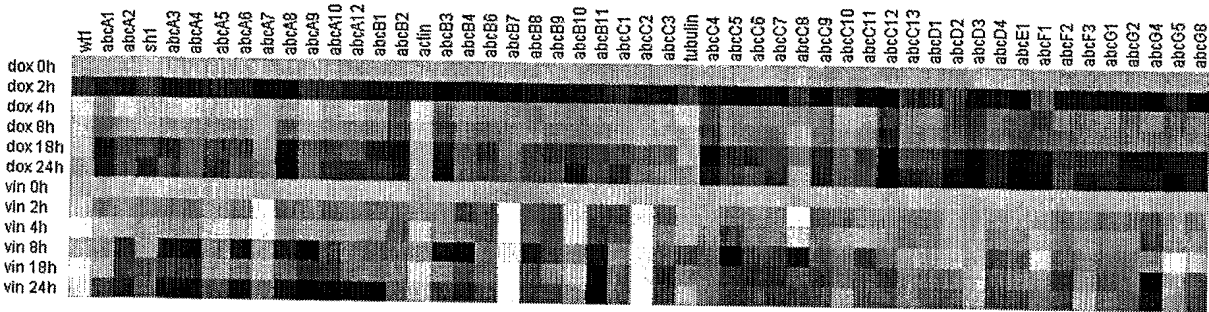
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Figure 57



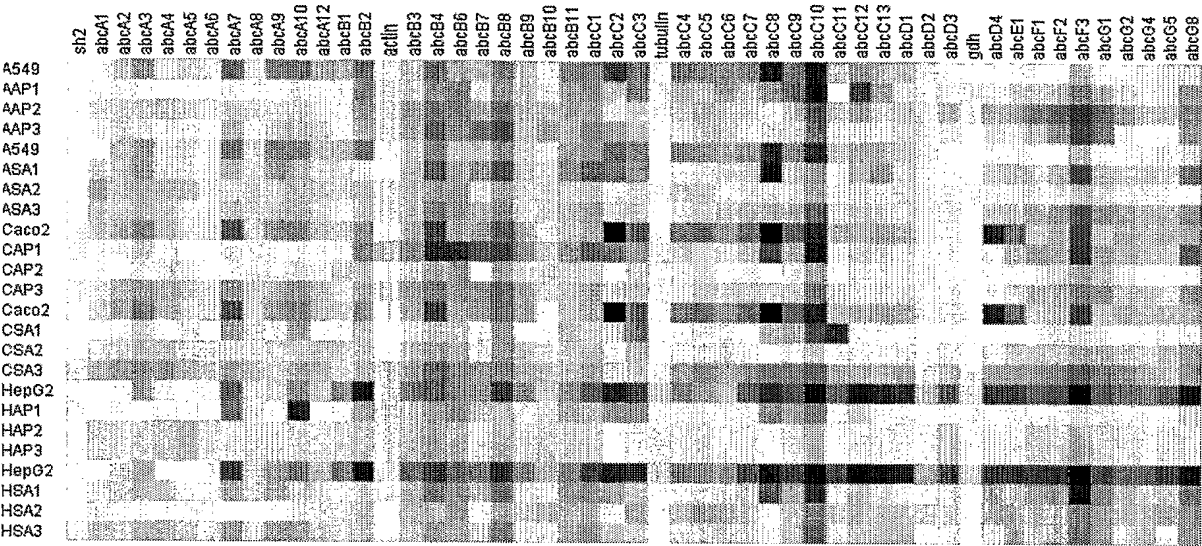
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Figure 58



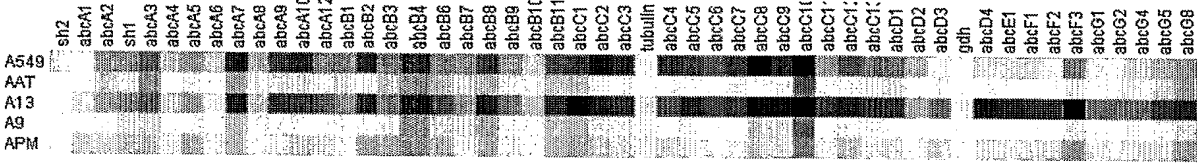
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Figure 59



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Figure 60



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Figure 61

